Minerva

TV User Guide

Cameron Communications

Get connected.

Using This Guide

Congratulations on your selection of the Minerva based interactive TV systems.

This User Guide is intended to assist in learning how to use your new set top box (STB) user interface. As this software is available on multiple set top boxes with differing remote controls, please consider this document as a general guideline. Each section presents an explanation of key features that will enhance your TV experience.

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Programming the Remote Control to work with the TV

In order for the remote to transmit the correct signals to control the TV, the remote must first be programmed with the 3-digit code corresponding to the make and model of TV in use. This must be done for each Set Top Box (STB).

This is done in the following way:

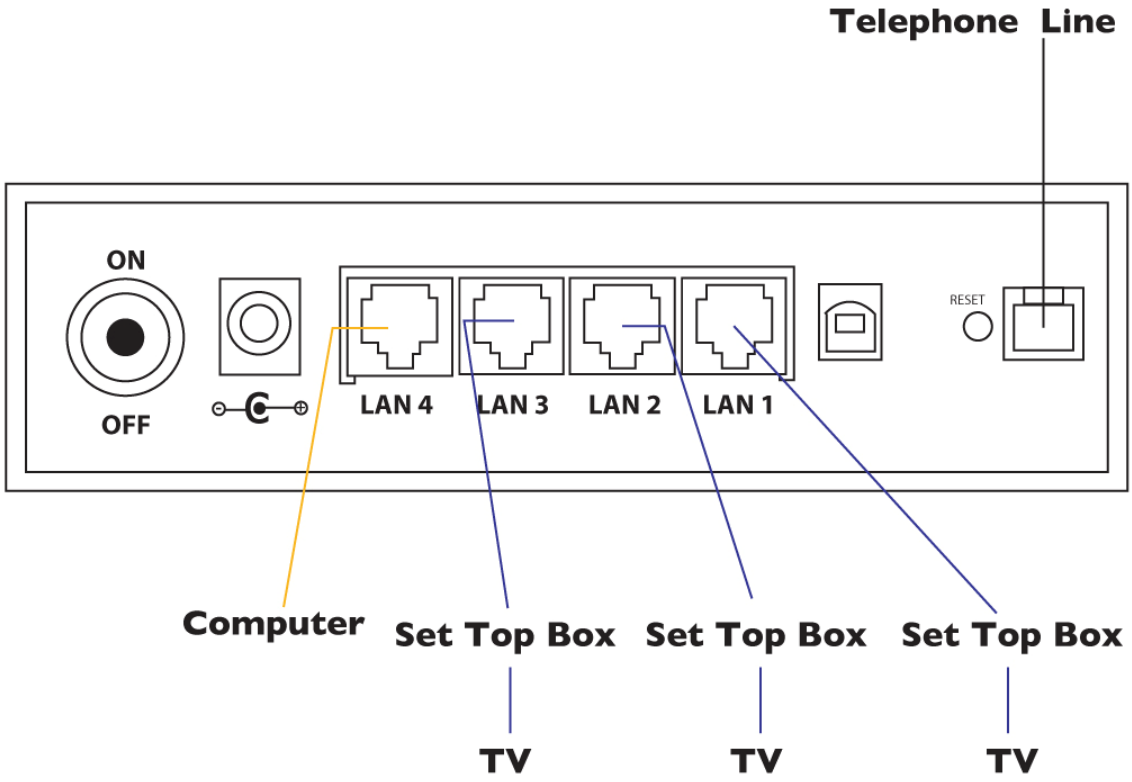
- Identify the make of the TV that is to be controlled. e.g; Sony, Magnavox, Philips
- Find the TV brand listed in the TV Brand Code Table in Appendix B.
- Simultaneously press and hold the TV and OK buttons on the remote.
- After approximately 2 seconds, the TV button will light.
- Release the TV and Ok buttons – the TV button remains illuminated.
- Now enter the 3-digit brand code according to the make of the TV that is being controlled. (Each TV in the home could have a different code.)
- As each of the digits are entered, the TV button light will briefly flash off and on again.
- When the third digit has been entered, the TV button light will go out.
- If a brand code has been entered that the remote does not recognize, the TV button will flash rapidly for a second and remain illuminated. If this happens, re-enter the correct TV brand code.
- Verify that the remote control works with the TV.
- If no brand code is entered, or the brand code entered is incomplete, after several seconds, the remote will exit the TV brand code entry mode and the TV brand code will be unchanged.
- The remotes are supplied by default with TV Brand Code 000.

Most TV makes have more than one brand code listed in the TV Brand Code Table – if this is the case, try all brand codes that are listed for that make until a suitable match is found. Many brand codes for remotes are included in the TV Brand Code Table on **page 17 –Appendix A**

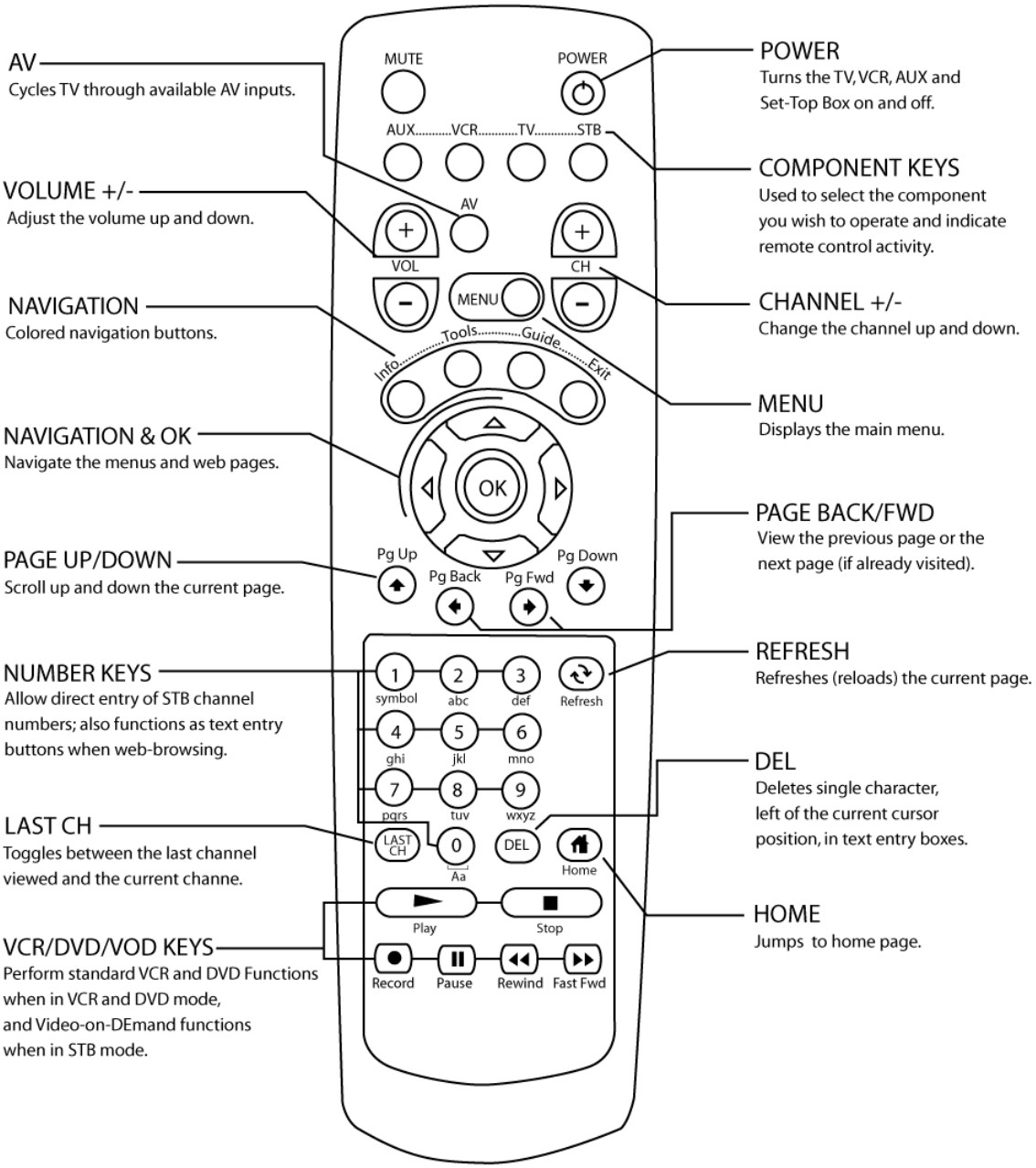
NOTE: This only applies to new customers or customers who have purchased a new remote control.

Installation

Your picture will be delivered to the home via telephone line. The Cameron Communications technician installing the service will install an ADLS modem capable of delivering television service on up to 3 TV's as well as High-Speed DSL Internet Service.



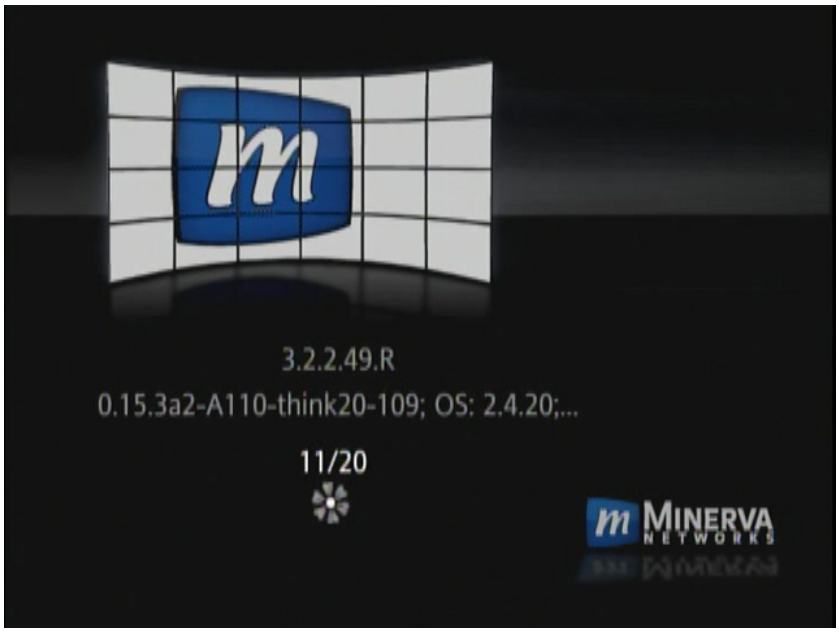
The technician will be installing the proper cable from the ADSL modem to each Set Top Box(STB). It is important that the ports labeled LAN 1 –LAN3 are connected to the STBs and the port labeled LAN4 is for the High-Speed Internet service. Also, the cable connected to the port labeled ADSL must remain plugged on at all times.


AV
Cycles TV through available AV inputs.
VOLUME +/-
Adjust the volume up and down.
NAVIGATION
Colored navigation buttons.
NAVIGATION & OK
Navigate the menus and web pages.
PAGE UP/DOWN
Scroll up and down the current page.
NUMBER KEYS
Allow direct entry of STB channel numbers; also functions as text entry buttons when web-browsing.
LAST CH
Toggles between the last channel viewed and the current channe.
VCR/DVD/VOD KEYS
Perform standard VCR and DVD Functions when in VCR and DVD mode, and Video-on-DEmand functions when in STB mode.
MUTE
POWER
AUX.....VCR.....TV.....STB
AV
VOL
CH
MENU
Info.....Tools.....Guide.....Exit
OK
Pg Up
Pg Down
Pg Back
Pg Fwd
1 symbol
2 abc
3 def
Refresh
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
LAST CH
0
Aa
DEL
Home
Play
Stop
Record
Pause
Rewind
Fast Fwd
POWER
Turns the TV, VCR, AUX and Set-Top Box on and off.
COMPONENT KEYS
Used to select the component you wish to operate and indicate remote control activity.
CHANNEL +/-
Change the channel up and down.
MENU
Displays the main menu.
PAGE BACK/FWD
View the previous page or the next page (if already visited).
REFRESH
Refreshes (reloads) the current page.
DEL
Deletes single character, left of the current cursor position, in text entry boxes.
HOME
Jumps to home page.

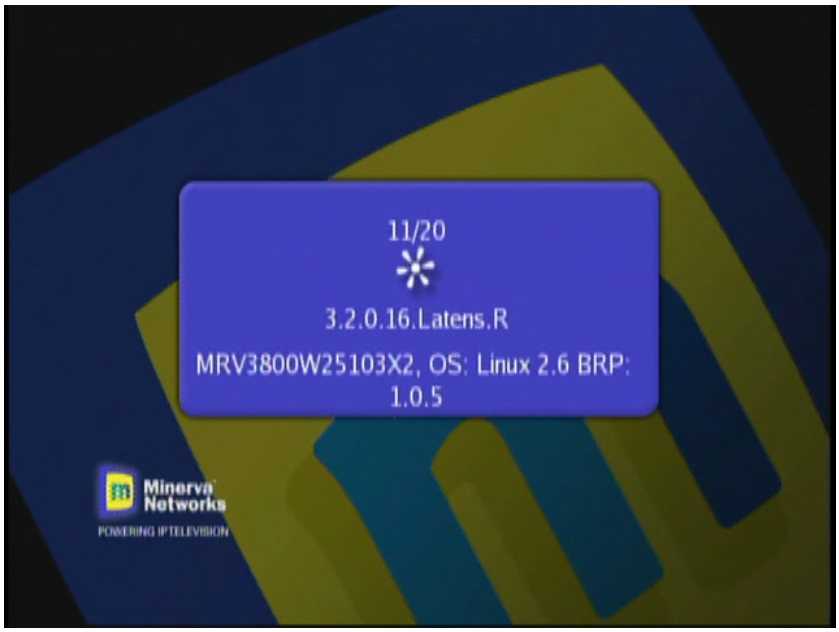
Turning on the Set Top Box and TV

When the set top box (STB) is first powered on, there will be several messages on the TV. These are normal messages from the STB start-up process. (See below)

Or


3.2.2.49.R
0.15.3a2-A110-think20-109; OS: 2.4.20;...
11/20
MINERVA
NETWORKS

Or


11/20
3.2.0.16.Latens.R
MRV3800W25103X2, OS: Linux 2.6 BRP: 1.0.5
Minerva Networks
POWERING IPTELEVISION

Login

Enabling Login

1. Open the Setting Menu (See the "Opening the Setting Menu" section.)
2. Use the ARROW button to highlight the Require Login box.
3. Press the OK/SELECT button to check the box
4. Use the ARROW buttons to highlight the Check icon.
5. Press the OK/SELECT button.

Disabling Login

NOTE: When Login is disabled there is only one set of customized settings for Parental Controls, Channel Blocking and Favorites. All viewers use the same settings.

1. Open the Setting Menu (See the "Opening the Setting Menu" section.)
2. Use the ARROW button to highlight the Require Login box.
3. Press the OK/SELECT button to uncheck the box
4. Use the ARROW buttons to highlight the Check icon.
5. Press the OK/SELECT button.

Channels

Electronic Program Guide

1. Press the GUIDE button on the Remote Control to access the Electronic Program Guide (EPG).
2. The Program Guide contains:
    a. Information about the program showing at this time.
    b. Channel Guide Choice Setting (All – All Channels, Subscribed – Channels available with the package, or Favorites – A List of channels the user has saved to simplify programming options).
    c. The half-hour now showing is highlighted.
    d. Highlighted box indicates program showing at this time.
    e. Channel ID – Currently selected channel is indicated by an arrow shape in the right end.
    f. Programs that extend beyond the time showing on the EPG have a small arrow to the right of the name.

NOTE: If channels seem to be missing from the EPG, the Channel Guide Tab if probably set on a Favorites List. Check the Channel Guide Tab to make sure it is set to All or Subscribed. If it is not set to All or Subscribed, press the GUIDE button until the All or Subscribed tab is visible.

3. To scroll through channels press either the Arrow Up or Arrow Down button on the remote.

Changing Channels Using the Program Guide

1. Use the ARROW buttons on the remote to scroll through the channels available.
   HINT: Use the PAGE UP (Pg Up) OR PAGE DOWN (Pg Down) buttons to scroll through by screen showing 5 channels at a time.
2. To select a new channel to view, use the ARROW buttons to highlight that channel.
3. Press the OK/SELECT button.
4. Press the OK/SELECT button to close the EPG.

Changing Channels Using Numbers in the Remote

1. On the remote control, use the NUMBER buttons to type the number of the channel to jump to. Example: 14
2. After a brief pause, the channel will change to the typed number.

Channel Information

1. Press the INFO button to view information about the channel currently being viewed.
   HINT: Use the RIGHT ARROW button to view program information for future shows on that channel.

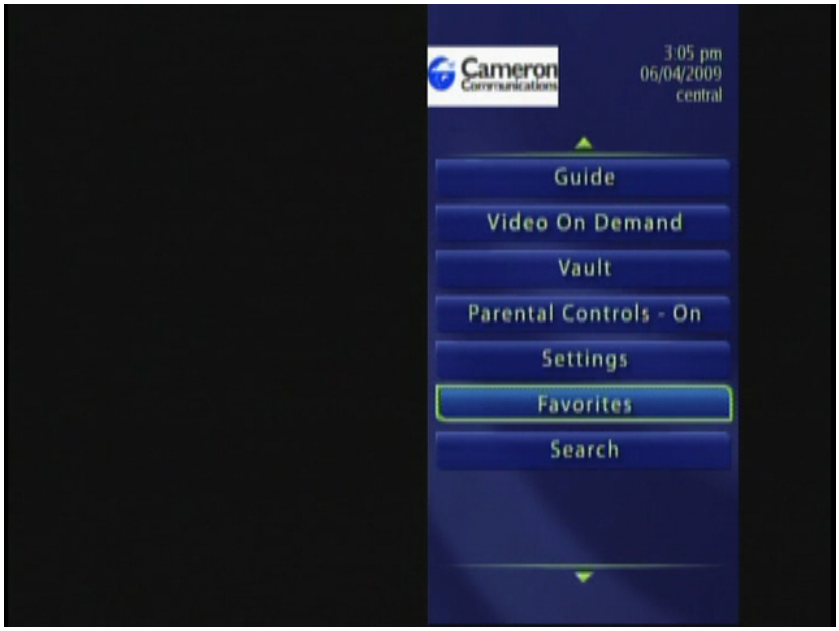
Changing Channel Guide Tabs

1. Press the GUIDE button to cycle through the three-channel guide option The Channel Guide Tabs are:
   a. All—Shows scheduled for all televisions channels offered by Cameron Communications
   b. Subscribed – Shows scheduled for only those channels subscribed to by the customer.
   c. Favorites – Shows schedules for only those channels selected as favorites. There may be more than one Favorites Tab i.e. Favorites1, Favorites2, etc. (For more information see Favorites section.

NOTE: If channels seem to be missing from the EPG, the Channel Guide Tab if probably set on a Favorites List. Check the Channel Guide Tab to make sure it is set to All or Subscribed. If it is not set to All or Subscribed, press the GUIDE button until the All or Subscribed tab is visible.

Favorites

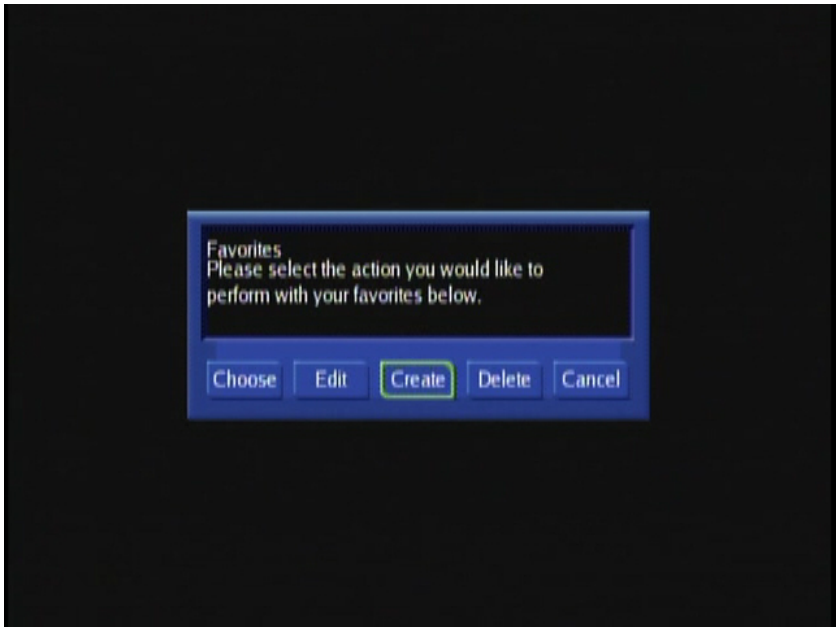
Open Favorites Menu



1. Press the MENU button on the remote.
2. Press the ARROW button to highlight the Favorites icon.
3. Press the OK/SELECT button.

Creating a New Favorites List

1. Open the Favorites Menu.

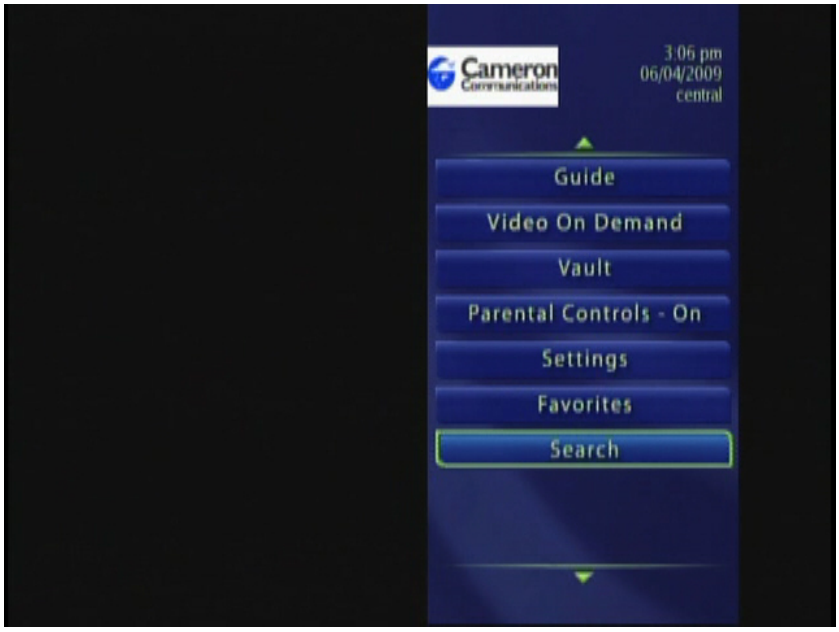


2. Use the ARROW button to highlight the Create icon.
3. Press the OK/SELECT button.

4. Use the ARROW buttons to highlight the Name filed for this Favorites List.
5. Press the CL/CLEAR button to delete any unwanted characters.
6. Use the NUMBER buttons to enter each letter.
7. Use the ARROW buttons on the remote to scroll to and highlight the channels to add to favorites.
8. To select a channel, highlight it and press the OK/SELECT button.
9. To move to the next screen of channel selection choice, use the ARROW buttons to highlight the Next Page Arrow icon on the lower left of the screen.
10. Press the OK/SELECT button.
11. When finished selecting channels, use the ARROW buttons to highlight the DONE icon on the screen.
12. Press the OK/SELECT button.
13. Press the GUIDE button on the remote to bring up the Channel Guide.
14. Continue to press the GUIDE button until the new Favorites List is visible.
15. The selected channels are now part of the new Favorites List.

Search Feature

1. Press the MENU button
2. Use the ARROW button to highlight the SEARCH icon.



3. Press the OK/SELECT button.
4. When the Search screen appears, press the OK button to bring up the On-screen Keypad.

5. Use the ARROW keys to highlight the letter or number to add to the search text.

6. Press the OK/SELECT button to add that letter to the Search Text.

7. When finished adding text to the Search box, use the ARROW buttons, to highlight the Done icon.
8. Press the OK/SELECT button.
9. Press the ARROW button to highlight the type of search -Search Guide or Search Rentals.
10. Press the OK/SELECT button.
11. Use the ARROW buttons to highlight the search option -Extended or Quick.
12. Press the OK/SELECT button.
13. The results will be displayed.
14. Use the ARROW buttons to scroll through the search results and highlight the desired program.
15. Press the OK/SELECT button.

Setting Reminders

1. Press the GUIDE button to show the Electronic Program Guide (EPG)
2. Use the ARROW buttons to scroll through the EPG to highlight the program.
3. Press the OK/SELECT button
4. Use the ARROW button to highlight the SET Reminder icon.
5. Press the OK/SELECT button.
6. There is not a small clock icon next to the program showing that the Reminder has been set.
7. When it is time for the program to start, a Reminder will appear on the screen.
8. Press the INFO button on the remote to access the Reminder.
9. Use the ARROW buttons to highlight a reminder
10. Press the OK/SELECT button
11. The channel will change to the chosen program.

Set Autotune

Set Autotune

Autotune will automatically change the channel currently being viewed to the program chosen earlier.

1. Use the ARROW buttons to scroll through the Electronic Program Guide (EPG) to locate the program.
2. Press the OK/Select button
3. Use the ARROW buttons to highlight the Set auto Tune icon
4. Press the OK/SELECT button.
5. There is now a small orange icon next to the program set for Autotune.

Changing Autotune Setting

1. Open the Settings Menu. (See the "Opening the Settings Menu" section.)
2. Use the ARROW buttons to highlight he Non-PPV/Autotune selection box.
3. Press the OK/SELECT button.
4. Use the ARROW buttons to select a time delay before Autotune switches the channel.
5. Press the Ok button to select.
6. Use the ARROW button to highlight the Ok icon.
7. Press the OK/SELEC button.

Scheduling an Event

Scheduling an event is a nice feature for use with regularly watched weekly or daily programs. The Event Scheduler can be set to show a Reminder or to Autotune to a program on a recurring basis.

1. Use the ARROW buttons to scroll through the Electronic Program Guide (EPG) to locate the program.
2. Press the Ok/SELECT button
3. Use the ARROW buttons to highlight the Schedule Event icon.
4. Press the OK/SELECT button.

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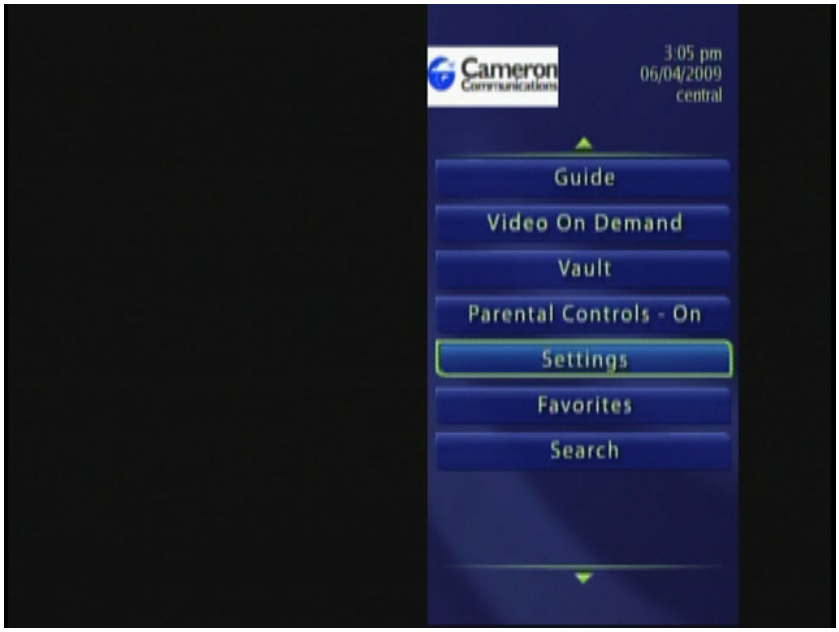
1. Use the ARROW buttons to highlight any field to change.
   The fields are:
   a. Channel
   b. Date program will run
   c. Type of Reminder – Press the Ok/SELECT button to show options (REMINDER or AUTOTUNE)
   d. Length of Time program will run
   e. Start time of show
   f. Frequency of program –Press the OK/SELECT button to show options (Every Day, Every M-F, Single, Weekly)
2. Use the ARROW buttons to highlight the OK icon.
3. Press the OK/SELECT button
4. The Schedule icon is now visible beside the program.

Opening the Setting Menu

1. Press the MENU button.
2. Use the ARROW buttons to highlight the Settings icon.

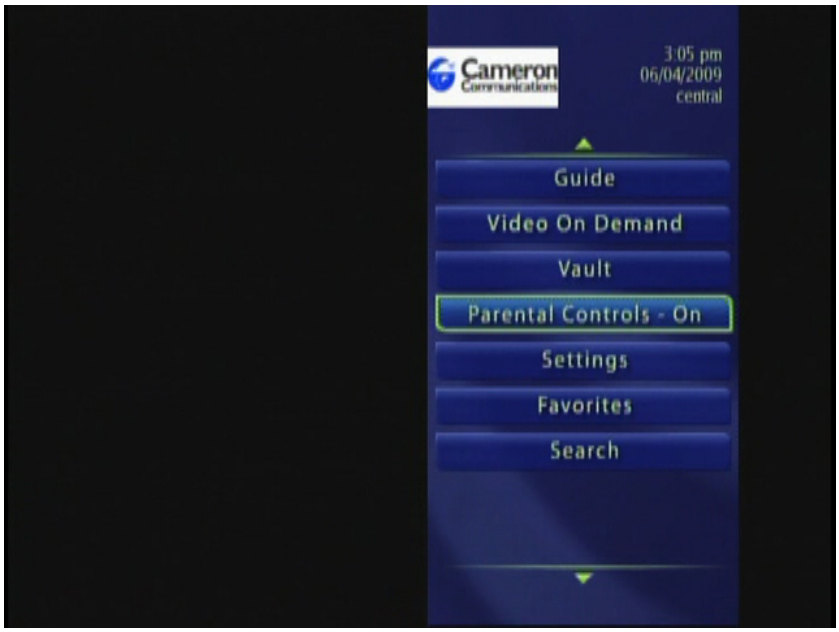


3. Press the OK/SELECT button.
4. A Password Screen will appear.
5. Enter a numerical password with the NUMBER buttons on the remote or press the OK/SELECT button to bring up the keypad.
   NOTE: If you have telephone service through Cameron Communications, your password will be your 7-digit telephone number. If you do not have telephone service with Cameron Communications, your password will be the last 7-digits of your account number. Your default PIN is 1234.
6. Use the ARROW buttons to highlight the letter to add to the password text.
7. When finished adding text to the Password box, use the ARROW buttons to highlight the Done icon.
8. Press the OK/SELECT button.
9. Use the ARROW buttons to highlight the OK icon.
10. Press the OK/SELECT button.

Parental Controls

Setting Up Parental Control

1. Open the Setting Menu
2. Use the ARROW buttons to highlight the Parental Control Change icon on the lower right corner of the screen



3. Press the OK/SELECT button.
4. Adjust the setting as you see fit for the viewers.
5. Press the OK/SELECT button when finished.

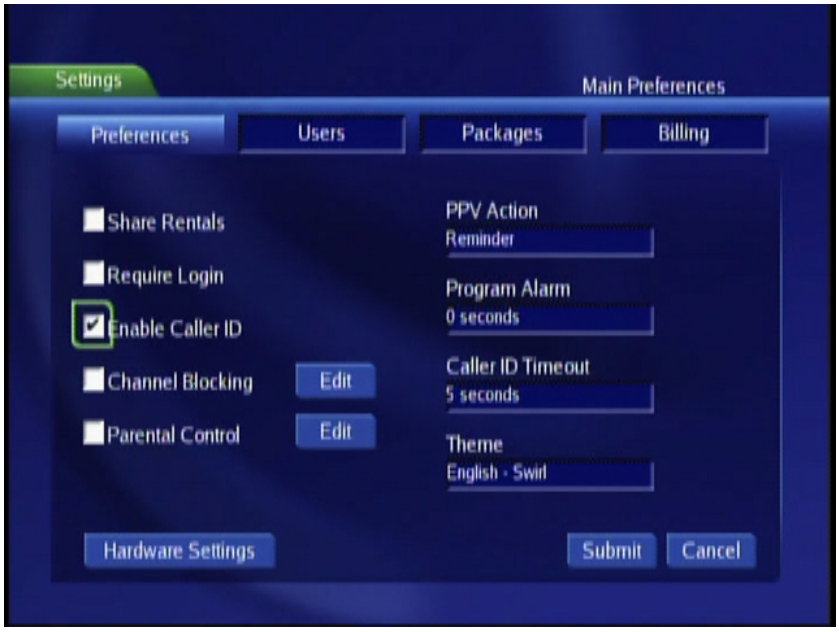
Unlocking Parental Control

1. Press the MENU button.
2. Use the ARROW buttons to highlight the Parental Controls icon.
3. Press the OK/SELECT button.
4. A Password screen will appear
5. Enter a numerical password with the NUMBER buttons on the remote.
6. Use the ARROW buttons to highlight the Ok icon.
7. Press the OK/SELECT button.
8. Parental Controls are now Unlocked as indicated by the open lock on the Parental Controls icon.

Caller ID

Enable Caller ID

1. Open the Setting Menu
2. Use the ARROW buttons to highlight the Enable Caller ID box.



3. Press the OK/SELECT button to check the box.
4. Use the ARROW buttons to highlight the Ok icon.
5. Press the OK/SELECT button.

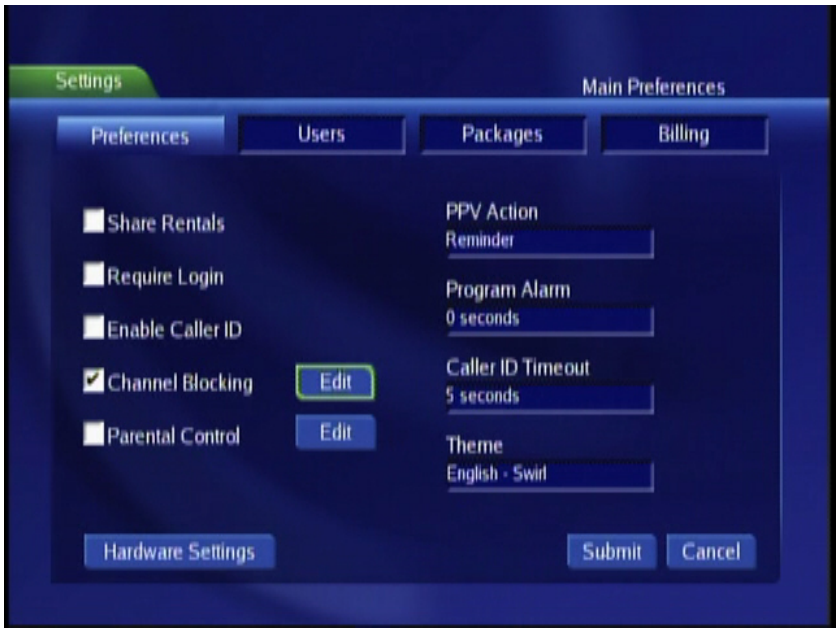
While watching a program, if there is a phone call, the caller's name and phone number (if available) are displayed for a brief time on the screen. The default setting for this function is 5 seconds.
NOTE: Must be subscribed to Cameron Communication's Caller ID service to have access to this feature.

Channel Blocking

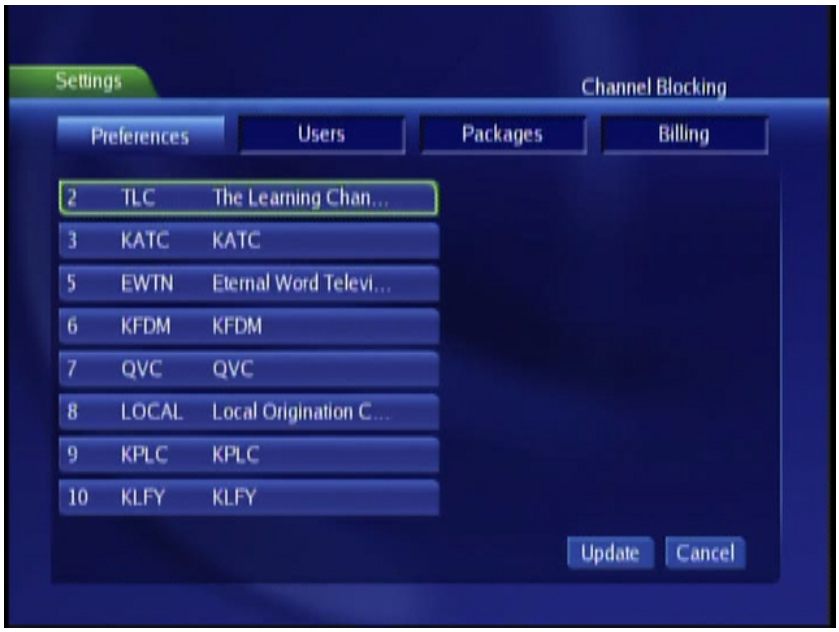
NOTE: Blocked channels do not show up in the Electronic Programming Guide (EPG). Parental Controls do not affect this setting. The only way to see a channel in the EPG is to remove it from the Channel Blocking list or to disable Channel Blocking.

Blocking Channels

1. Open the Settings Menu.
2. Use the ARROW buttons to highlight the Channel Blocking Change icon.



3. Use the ARROW buttons to highlight the channel to be blocked.



4. Press the OK/SELECT button to check the box.
5. To move to the next screen of channel options, use the ARROW buttons to highlight the Next Page Arrow icon.
6. Press the OK/SELECT button
7. When finished, use the ARROW buttons to highlight the Done icon.
8. Press the OK/SELECT button.
9. Use the ARROW buttons to highlight the Channel Blocking check box.
10. Press the OK/SELECT button to check the box.
11. Use the ARROW buttons to highlight the Ok icon.
12. Press the OK/SELECT button.

Troubleshooting

No Signal or No picture on TV – please reboot the STB before calling.
To Reboot:

1. Unplug power from back of STB. Wait 10 seconds and reconnect.

Video Signal Blocked – This channel is not part of the subscribed channel package or this channel is blocked on this STB (See "Blocking Channels")

Tuning TV to work with STB – For older TV's turn the TV on and tune the TV to channel 3 or 4. For newer TV's connected to the S-video or RCA jacks the TV channel will need to be either Auxiliary, Video1, Video2 or Line1.

Appendix A: US/Asia TV Brand Codes

ABEX 115
AIWA148
AUDIOSONIC 100
AUDIOVOX 105, 116, 197, 199
CENTRURION 041
CITIZEN 035, 036, 0041, 092, 093, 096, 097, 105, 111, 112, 113, 149, 197, 215
CRAIG 025, 105
CURTIS MATHES 016, 036, 038, 041, 055, 069, 075, 093, 094, 098, 111, 114, 127, 149, 163, 196, 198, 212, 213, 215, 219, 228, 229, 231, 233
DAEWOO 029. 030, 033, 036, 072, 094, 100, 103, 105, 112, 119, 153, 157, 158, 159, 160, 197, 199
DANSAI 100
EMERSON 000, 002, 006, 007, 008, 009, 011, 036, 038, 041, 081, 082, 083, 084, 085, 086, 087, 090, 092, 094, 098, 101, 103, 105, 108, 109, 200, 217
FISHER 017, 038, 080, 098
FUJITSU 109, 217, 224
GE 013, 016, 020, 036, 041, 075, 076, 077, 078, 079, 081, 086, 104, 114, 127, 196, 199, 212, 214, 228, 229, 231, 233
GEMINI 039
HARMAN/KARDON 163, 213

HITACHI 018, 035, 067, 068, 069, 070, 071, 087, 094, 097, 135, 215
INFINITY 163, 213
INFINITY REFERENCE 010
JBL 010, 163, 213
JENSEN 031
JVC 026, 028, 064, 065, 066, 084
KENWOOD 036, 041, 103, 111
KLOSS 063, 072, 113
LG(GOLDSTAR) 003, 012, 035, 036, 041, 0773, 074, 086, 094, 097, 100, 103, 111, 115, 215
LXI 010, 036, 038, 041, 062, 076, 086, 098, 163, 196, 213, 228, 233
MAGNAVOX 010, 034, 039, 040, 041, 042, 058, 059, 060, 061, 063, 066, 096, 111, 163, 213, 217, 218, 230
MATSUSHITA 019
MEGATRON 036, 041, 069, 086, 116
MEMOREX 022, 033, 036, 038, 041, 057, 086, 097, 098, 099, 177, 215, 217
METZ 179, 183, 189, 190, 191, 192, 193, 194
MGA 022, 032, 036, 056, 057, 066, 079, 086, 103, 110, 114, 138
MITSUBISHI 022, 032, 036, 056, 057, 066, 079, 086, 103, 110, 114
MOTOROLA 022, 041, 104, 114, 127, 157 214
NEC 024, 035, 036, 041, 066, 097, 103, 105, 111, 1132, 171, 215
OPTIMUS 038, 055, 105
ORION 083, 100, 127, 217
PANASONIC 010, 019, 025, 075, 083, 104, 109, 131, 137, 143, 200, 212, 214
PHILCO 036, 041, 058, 059, 060, 061, 062, 063, 069, 075, 079, 096, 103, 111, 149, 157, 196, 213
PHILIPS 010, 040, 069, 100, 157, 163, 200, 213
PIONEER 051, 055, 087, 157, 223
PORTLAND 036, 094, 103, 105, 112, 198
PROSCAN 075, 076, 228, 233
PULSAR 011, 036, 041, 089
QUASAR 025, 075, 089, 104, 157, 212, 214
RADIO SHACK 036, 038, 041, 054, 075, 094, 103, 105, 112, 115, 127, 157, 196, 215, 228, 233
RCA 005, 014, 015, 018, 019, 036, 041, 049, 053, 075, 076, 077, 087, 103, 114, 212, 216, 223, 228, 229, 231, 233, 235, 236, 237
REALISTIC 036, 038, 041, 054, 086, 094, 097, 098, 103, 105, 111, 115, 157, 196, 215
SAMSUNG 033, 034, 038, 041, 054, 086, 094, 097, 100, 103, 111, 115, 149, 215
SANSEI 199
SANSUI 200
SANYO 017, 023, 027, 038, 066, 080, 091, 098, 123, 125, 126, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211
SCOTT 036, 041, 083, 086, 094, 103, 105, 109, 217
SEARS 010, 016, 017, 035, 036, 038, 041, 048, 052, 062, 076, 080, 086, 097, 098, 109, 141, 163, 196, 213, 215, 217, 228, 233
SHARP 046, 047, 054, 066, 091, 111, 114, 127

SONY 037, 045, 066, 084, 095, 128, 144, 195, 232
SOUNDDESIGN 036, 041, 086, 096, 105, 109, 217
SQUAREVIEW 048, 141
SYLVANIA 010, 036, 041, 044, 058, 059, 060, 061, 063, 096, 111, 157, 163, 213
SYMPHONIC 048, 141
TANDY 027, 088, 100, 104, 116, 214
TATUNG 027, 088, 100, 104, 116, 214
TECHNICS 019, 075, 212
TECHWOOD 035, 075, 097, 157, 212, 215
TEKNIKA 010, 022, 035, 036, 057, 093, 094, 096, 097, 099, 103, 105, 109, 112, 113, 157, 163, 177, 197, 213, 215, 217
TOSHIBA 038, 052, 062, 066, 093, 098, 130, 149
UNIVERSAL 078, 079
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